

Summary-Grazzi

Different non-invasive neuromodulatory techniques will be discussed and described during this presentation, along with their advantages and disadvantages and their application in headache. Available preventive treatments can be unhelpful or may have unpleasant side effects; moreover, the rate of response to preventive drugs does not exceed 50%, lower in chronic migraine; alternative options would be welcome. Though the concept of neuromodulation was originally developed with invasive methods, newer non-invasive techniques are appearing. **Recent findings:** The novel neuromodulatory techniques have been developed with encouraging results: compared with traditional pharmacotherapy, advantages of non invasive neuromodulation include reduced incidence of adverse effects, improved adherence and safety and ease of use. The results are encouraging for acute or preventive treatment of different kinds of headache. **Conclusions:** A variety of neuromodulatory approaches, is expanding fastly and has opened new possibilities for treatment of patients suffering from many forms of headache, especially those who have failed traditional pharmacotherapy. The non-invasive treatments that can be seen as supplementing traditional management in refractory patients. Current study results are encouraging but preliminary and larger and more rigorous trials are needed to clarify benefit and mode of action